

ANI/DOD/01

NO 3400

0004

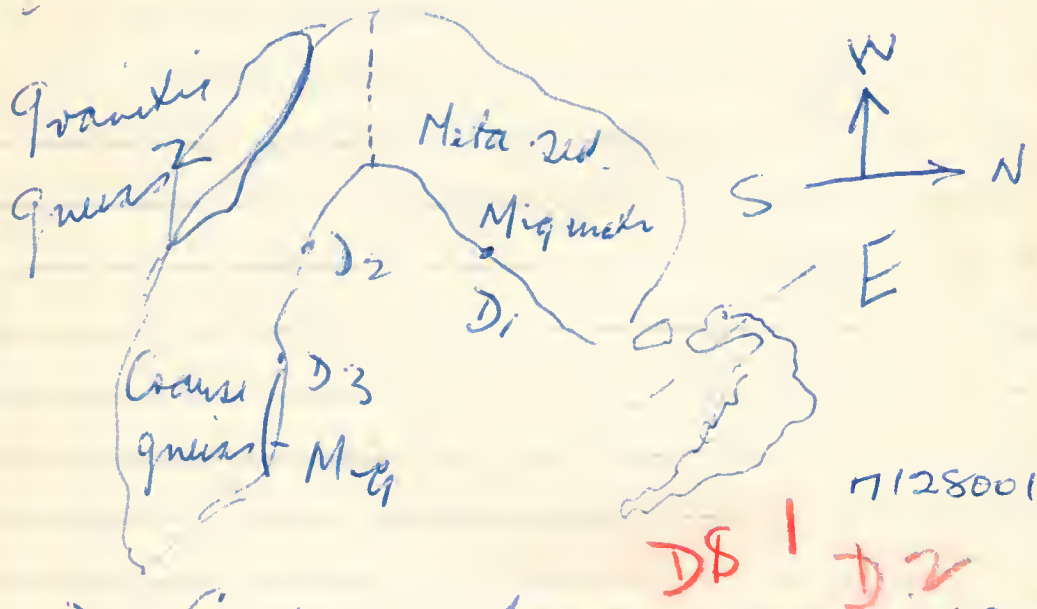
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12 Jan. 1971

Crohn Massiv,  $\pm 15$  m.  
from Morre Pyramids



D1. Centaured banded gneiss 7128002  
composed of dark, biotite rich  
bands, felsic bands and  
impure quartzofelspathic bands.  
The rock is unmetamorphosed in that  
portions of both original  
host rock and interbedded bands  
are identifiable.



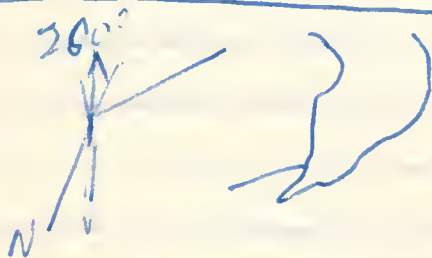
D2. Adjacent to the migmatite  
is a coarse textured fairly  
homogeneous quartz-feldspar  
gneiss, with well defined  
orientation.

D3. blocks of massive  
highly porphyritic gneiss  
~~interbedded~~ with large ~~coarse~~ feldspar  
crystals - of granitic  
igneous.

D3 ✓

7128003

## CORRY MASSIVE



D4 Coarse to Med Gr. gneiss  
qtz-fels with chlorite?

Numerous basalt

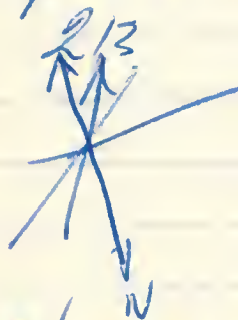
D4 7128004

N

7128005

D5 7128006

inclusions - ~~also~~ typically  
biotite rich, in places  
with vermiculite alteration.  
specimens taken



Strike roughly  
East West.

Numerous pegmatite  
veins - Coarse quartz-felsp  
~~with~~ locally with magnetite.

Garnet appears to be concentrated  
in places.

D5 712005

D6 712006

D5 Cray massive -

Eastern face - Biotite

Alternating with Qtz felspar

Garnet green. -

7120025

specimens taken

D6 . Mt. Kirkby

Host rock is coarse pink.  
to orange gB/felspar. Granitoid  
gndiss. with bands of  
amphibolite - locally  
containing a high percentage  
of epidote.

Narrow dyke of basic rock  
aligned NNE. fine grained.

Specimen taken

DS 7

DS 7

7120007<sup>8</sup>

Host rock

DS 8

DS 8

7120008<sup>8</sup>

Locally the amphibolite  
has high epidote content

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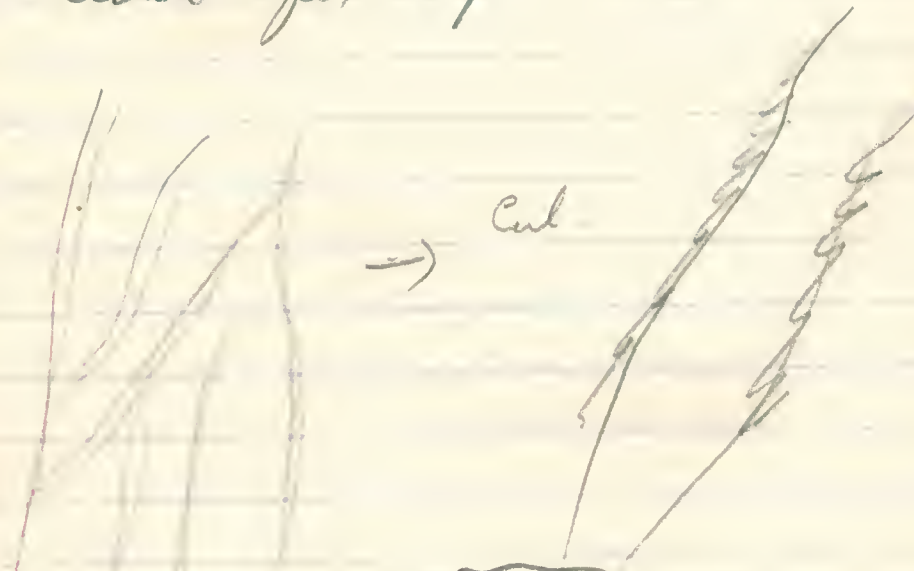
~~epidote rich~~ DS 9.

(D7) SE slopes of Mt. Cuddeke Peak -  
comprised of "amphibolite"  
lenses in a pinkish  
quartzofeldspathic host rock.



hybridization is evident at  
the contact - forming  
plag amphibolite (?) -

The host rock is cross cut  
by numerous feldspathic  
dike stringers locally  
with feldspar veins -



Specimens 9 Country rock green  
DS 10 amphibolite  
DS 11 Intruding granitic  
rock PTD

(71280010)

~~71280009~~ (71280009)

Pink - Reddish coarse  
grained granitic mass  
intrudes the country  
rock. Q12 felspar green  
and amphibolite.

The amphibolite may contain  
actinolite or? Silica

(D8) Thomas Nunatak.

Coarse textured augen  
gneiss. Locally the augen  
coalesce to form segregations  
- very coarse textured.

Locally too segregations  
of specular hornblende.

Specimen taken DS 12

71280012

B Specular hornblende

Specimen DS 13

78

9

71280013



D 16 MT. Mearns.

1000 odd feet peak composed  
of hybrid rock -

host rock is a med to  
coarse, grt-felspar gneiss  
extensively invaded by  
beds now metamorphosed  
to amphibolite.

Locally segregation?  
Pegmatites have formed -  
coarse quartz - unresorbed  
intergrown with biotite  
hematite and an epidote.

Specimen of the hybrid DS 14  
(amp / grt / fels)

71280014

Spec of Pegmatite

DS 15

↑

71280015

71280015

D11 MT GAVAGHAN 1

Dipping South, steeply  
at  $\pm 80^\circ$ .

Limestone poorly developed  
dipping at  
 $\pm 17^\circ \longrightarrow 34^\circ$

Limestone slopes - Amphibolite  
- highly much weathered  
Coarse texture - Chert  
? - granitic (green)  
Coarse brown to grey  
- Amphibolite blocks  
in part. ~~Slopes covered~~  
with talus

Two specimens taken -  
① hybrid quartzite breccia

Amphibolite DS 16  
Chert breccia DS 17

71280011?

PTD 71280016  $\infty$

NOTE

1 ft. G. a. section —  
on Southern side  
banded — with  
amphib. layers.



Charnockite : Coarsely

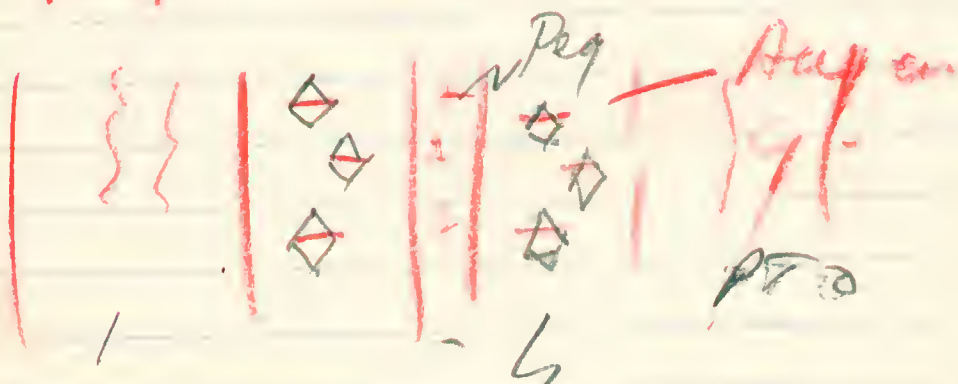
crystalline brownish  
igneous rock with  
well defined foliation

Webster Peak

D12 Charnockite -

with narrow pegmatite  
- at the contact with  
the pegmatite - band  
of angular gneiss

peg - about 6"



Charnockite Augenquartz

Webster Peaks

Steeply dipping

WSW striking dipping South

Specimen of pegmatite taken

DS 18 7120018 ✓

(DB) S. Mich. Navatah.

Two rocky hills with long  
train of shales.

The 'Heart rock' is a  
banded, biotite quartz felspar  
gneiss ~~is~~ characteristically banded  
with quartz felspar Garnet  
gneiss. The qtz/felspar garnet  
gneiss occurs both as parallel  
sided bands and as  
variable shaped patches  
(Garnet through most of rock)

or ragged discrete  
units

The origin of the gK-felspar  
gn is not obvious -  
~~see~~ banding margins are  
well defined but not  
'baked'. They are not diffuse  
nominally (locally in part)  
i.e. they are not segregations  
or permeation. More likely  
they are considered to be of  
metasomatic origin -  
introduced along the  
foliation of the original  
bediments. Rare Cu staining

NB

owing to high sink  
28/5/21 Recharvaie & Jiddings  
Peak could not be visited

NOTE



D/48/Becher mine Hill

Clearance of granite -  
pelapau - hard bluish  
granite gneiss with  
lateral line in the side "  
dykes - veins etc of  
quartz. pelapau granite.  
Mangins tend to be  
fairly diffuse



NOTE

The host rock locally  
has an argon texture.

The rock appears  
to have been a clastic  
pelitic sediment -  
invaded by metasomatic  
solutions - depending  
along foliation planes -  
later distorted by  
regional metamorphism  
(incl. folding etc).

Dfs. Qtz fels gneiss / Green

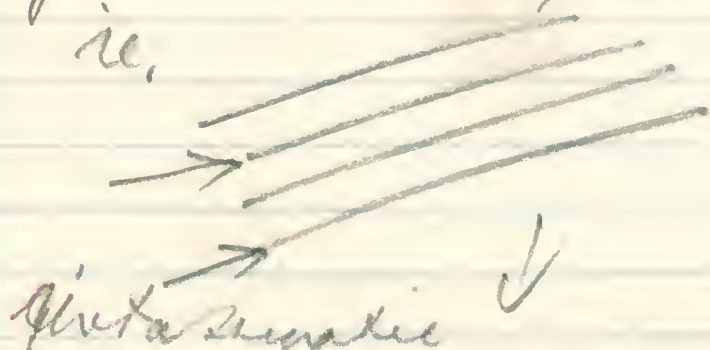
(DS19) 7120019

Qtz fels gneiss (DS20) 7120020

Photos taken with hammer  
mm

D15 Giddings Peak

Similar to D14 Amphibolite  
- host rock of gts/felsp.  
hornblende(?) - calcareous  
invaded by gts/felsp.  
garnet & augite  
etc.



Amphibolite



Photograph taken on  
Michigan State - etc  
& other showing





Landscape

D 17 Mt. Little

in

Banded migmatites.  
gneiss - fine banding  
indefinite, in part  
diffuse, patchy.

Specimen of banded  
migmatitic gneiss  
taken

JS 21 71280021

Further south west,  
two or three (or more)  
pegmatitic cut  
aclyphitobolitic rock

71280022

Specimen peg D22

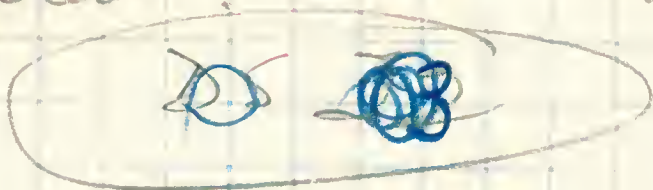
" Spec. Aclyphitobolitic D23

PTD

71280023

15

Salt incrustations  
of rock sampled for  
analysis



DS 24



D 18 Mt Coney

Massive to banded  
gneiss - granitic in  
part - presumably  
the last product of  
migration  
Some banded  
crystalline and  
have local bands of  
granite enclosures.

In the Monacore —  
crystalline lenses have  
black specimens

D5 ~~04~~ **2.5** Limestone

71280026

Specimens of coarse  
granitic gneiss

D5 **05** **2.6**

71280027

(D19) Hill South West  
of Mt. Gleason

NK B. Tinney Area

—————→ Dip

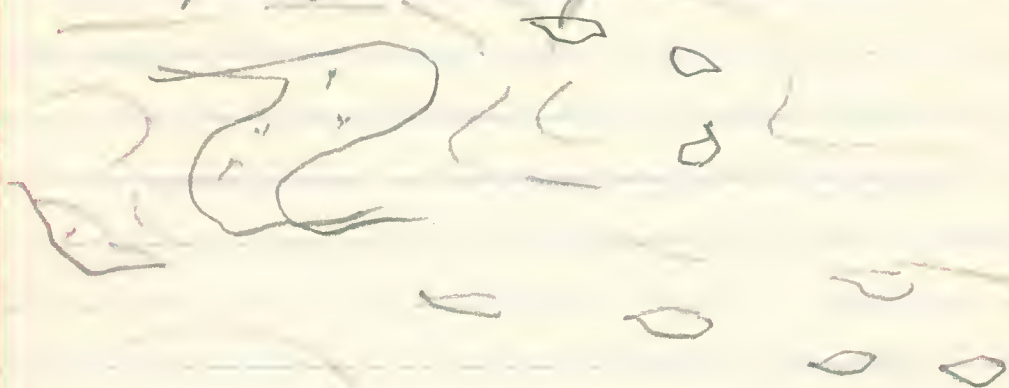
~~Biotite~~ 67°

Hard blade gneisses  
with amphibolite bands  
- garnetiferous

Intruded by pegmatite  
- Crystalline - to patchy  
form.

Typically Aug. of  
felsic or 1 unit. units  
are found in the  
foliated band

rather contorted -  
slip folding?



Appears to be a  
product of metamorphism.

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### D20 Fisher Massif

South-eastern corner -  
Group of medium grained &  
hornblende granite.

- frequently with inclusions
- xenoliths of dark rock



prob. amphibolite

The granite ~~is~~ has well defined  
cleavage - ~~is~~ locally  
gneissosity. 71280028

Specimen of granite	DS27
Specimen of Xenolith	DS28

The granite forms a plateau  
~~for~~

To the south the terrain  
is shaped by glacial action -  
polished surfaces, deposits  
of till, erratics and the  
honeycomb effect. Most  
of this rock is amphibolite -  
varying from nearly  
pure hornblende to a  
amphibolite.

7128030

Specimen amphibolite	DS29
Specimen plg amphibolite	DS30

71280031

(21) 2<sup>nd</sup> Feb 1971  
Mt Wellington  
Southern Slope -

Pinkish pegmatites  
in vada dark greenish  
grey amphibolites. The amp.  
wavy fucous coarsely  
crystalline almost  
porous hornblende to  
plag amphib.

The pegmatites vary -  
simple to complex  
simple ones at 21 include  
metallic lustre minerals  
- wolframite?

Specimen with  
metal 31 71280032

DB Co with iron ore?

[ Specimen 32 ] 7128033  
Pegmatite

[ Sp 33 ] 71280034

(21) Whelan NTK

Massive gneiss with  
Granite - Locally coarse  
crystalline veins etc.  
"ghost" veins cutting  
bands - well jointed.

Specimen taken 71280035 34

Coarse sp. alt. taken 35

(22) Kottler Peaks (see list)  
Similar to Mt. Stanlight  
(hybrid rock - garnet, feldspar  
etc. - invading hornblende etc.)



(25) alt. 5100 at Helgestad

5/2/71

(23) Long hill (HARVEY RIDGE  
S. END)  
South Western corner.

- Kill camp of  
carnivores of camp  
partly digested by  
pigeon-like - 9th & 10th  
garment

Sp. of pigeon-like. Value.

DS 36

71280036

22

21194

5622

~~Chattanooga~~

(24) Crest of Hill

Strike nearly west  
dipping north

this like greenish with  
some garnet - well  
foliated.

Massive

Prophy exposed through  
sandstone

Extensive pegmatites  
seen in rock faces  
further on.

SP

37

Mt. THOMAS



Manning (Fisher)

(25) NNE - extension  
of plateau -

Granite - with  
inclusions of hybrid  
metabites.

Specimen taken of the  
Xenolith - in

hook (blue?) granite

(Sp. 38)

712 80038

(26)

N. W. Fisher House

Band of flaggy

amphibolite a grain

granite. Area scattered

with pink quartz

Specimen of amphib  
taken

Sp. 39

71280039

(27) Surface textured with  
amphibolite - black in

Surface grey - medium  
heat - extensive

Copper mineralization,

'amphibolite' texture

indicative of basalt  
origin?

Specimen (flag) taken

Sp 40



W. Collins

N.E. end -

Pink med-gr granite

- fragments are by raised

- cut by cross

dykes of dolomite.

Sp 41 Granite

Sp 42 Hybrid

Sp 43 Dolomite

Sp. 44 Skinner

Sp 45 Skinner

Sp. 46







WILSON

10/2007/INV

R.G.D.

N

